

12505450 GRANGER DRAIN AT GRANGER, WA

LOCATION.--Lat $46^{\circ}20'37''$, long $120^{\circ}11'09''$, in NW $1/4$ NW $1/4$ sec.22, T.10 N., R.21 E., Yakima County, Hydrologic Unit 17030003, on right bank, 330 ft upstream from E Street, at Granger, WA.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1975 to September 1976, August to September 1981 (discharge measurements only), May to September 1991, August 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 720 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Most flow is return and waste from irrigation.

COOPERATION.--Records were provided by Sunnyside Valley Irrigation District; two discharge measurements were made, and records were reviewed by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 175 ft³/s June 20, 1991, gage height, 4.62 ft; minimum daily discharge, 21 ft³/s Dec. 19, 1999, Mar. 19, 2000.

EXTREMES FOR CURRENT PERIOD.--Maximum daily discharge, 66 ft³/s Sept. 4, 5; minimum daily discharge, 21 ft³/s Dec. 19, Mar. 19, 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	26	24	23	26	24	31	44	57	54	57	61
2	61	26	23	22	25	24	34	44	55	57	57	63
3	62	24	22	22	24	24	31	44	54	58	57	65
4	60	23	22	23	24	32	27	44	54	59	58	66
5	56	23	22	22	24	28	27	48	53	59	59	66
6	54	24	22	22	24	27	31	45	52	58	59	64
7	54	24	22	22	24	26	27	47	53	59	58	62
8	54	24	22	23	24	25	30	47	56	60	56	61
9	55	24	22	22	23	25	35	48	56	61	56	61
10	57	24	22	22	23	25	36	49	56	61	56	64
11	57	24	22	22	24	24	34	47	59	60	57	63
12	55	24	22	22	25	24	32	43	61	58	58	62
13	57	24	22	22	25	24	37	43	58	56	60	61
14	59	24	22	23	28	24	46	44	55	57	60	61
15	59	24	22	22	26	23	47	43	55	58	58	59
16	59	25	22	24	25	22	45	40	55	60	59	59
17	60	25	22	24	25	22	44	37	55	60	59	60
18	60	24	22	23	24	22	43	41	56	62	59	59
19	64	25	21	22	24	21	41	43	56	59	60	58
20	59	25	22	23	24	21	38	44	55	57	63	59
21	52	24	22	23	24	22	34	46	54	56	63	60
22	42	24	22	23	24	22	34	47	55	57	61	62
23	41	24	22	23	24	22	30	46	55	59	61	63
24	38	24	22	23	24	22	27	48	55	60	59	64
25	33	24	22	25	23	22	32	51	56	59	59	64
26	29	24	22	25	24	24	36	50	56	57	59	61
27	32	24	22	25	27	23	42	50	53	57	62	60
28	35	24	22	24	25	22	44	50	53	58	63	58
29	30	24	22	24	25	23	41	50	53	60	62	58
30	27	25	22	24	---	24	45	53	52	62	61	58
31	26	---	23	24	---	26	---	57	---	61	60	---
TOTAL	1546	727	685	713	711	739	1081	1433	1653	1819	1836	1842
MEAN	49.9	24.2	22.1	23.0	24.5	23.8	36.0	46.2	55.1	58.7	59.2	61.4
MAX	64	26	24	25	28	32	47	57	61	62	63	66
MIN	26	23	21	22	23	21	27	37	52	54	56	58
AC-FT	3070	1440	1360	1410	1410	1470	2140	2840	3280	3610	3640	3650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	49.9	24.2	22.1	23.0	24.5	23.8	36.0	46.2	58.3	61.0	63.5	64.7
MAX	49.9	24.2	22.1	23.0	24.5	23.8	36.0	46.2	61.6	63.4	69.9	70.1
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	1991	1991	1991	1991
MIN	49.9	24.2	22.1	23.0	24.5	23.8	36.0	46.2	55.1	58.7	59.2	61.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

ANNUAL TOTAL							14785					
ANNUAL MEAN							40.4					
HIGHEST ANNUAL MEAN												
LOWEST ANNUAL MEAN												
HIGHEST DAILY MEAN	67	Aug 29			66	Sep 4			100	Jun 20	1991	
LOWEST DAILY MEAN	21	Dec 19			21	Dec 19			21	Dec 19	1999	
ANNUAL SEVEN-DAY MINIMUM	22	Dec 13			22	Mar 16			22	Mar 16	2000	
ANNUAL RUNOFF (AC-FT)					29330				29270			
10 PERCENT EXCEEDS	65				60				67			
50 PERCENT EXCEEDS	55				41				56			
90 PERCENT EXCEEDS	22				22				23			